	Application No.	Applicant(s)
Notice of Allowability	10/003,322	COWIE ET AL.
	Examiner	**Art Unit**	
	Syed Zia	2131	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *07/13/2007*.

2. ☒ The allowed claim(s) is/are *1-4,9-16,21-28 and 33-39*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None of the:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
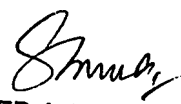
    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

    Paper No./Mail Date _____ .

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

SYED A. ZIA
PRIMARY EXAMINER

DETAILED ACTION

An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

Kevin Zilka on October 14, 2007.

In the claim amend as follows:

1. (Currently Amended) A computer program product <u>embodied on a tangible computer readable</u>

<u>medium</u> for controlling a computer to execute a computer program within <u>said</u> computer

memory, said computer program product comprising:

(a) a loader program: and

(b) an encrypted version of said computer program; wherein said loader program is operable to:

(i) read said encrypted version of said computer program stored in a program store;

(ii) decrypt said encrypted version of said computer program to form said computer

program in an executable form;

(iii) load said computer program directly into said computer memory; and

(iv) trigger execution of said computer program as loaded into said computer memory by said loader program;

wherein said computer program that is decrypted, loaded, and executed includes a malware scanning computer program:

wherein said malware scanning computer program is operable such that once executed, said malware scanning computer program scans said loader program for malware;

wherein, if said loader program is detected as being infected with said malware, then said malware scanning computer program is operable to repair said loader program or replace said loader program with a clean copy of said loader program;

wherein said malware scanning computer program is operable to scan for said malware including one or more of a computer virus, a worm, a Trojan, a banned computer file, a banned word and a banned image.

13. (Currently Amended) A method of executing of a computer program embodied on a tangible computer readable medium, within a computer memory, said method comprising tile steps of:

(a) executing a loader program, said loader program operating to:

(i) read an encrypted version of said computer program stored in a program store;

(ii.) decrypt said encrypted version of said computer program to form said computer program in an executable form;

(iii) load said computer program directly into said computer memory; and

(iv) trigger execution of said computer program; and

(b) executing said computer program, as loaded into said computer memory by said loader

program;

wherein said computer program that is decrypted, loaded, and executed includes a

malware scanning computer program;

wherein said malware scanning computer program is operable such that once executed,

said malware scanning computer program scans said loader program for malware;

wherein, if said loader program is detected as being infected with said malware, then said

malware scanning computer program is operable to repair said loader program or replace said

loader program with a dean copy of said loader program;

wherein said malware scanning computer program is operable to scan for said malware

including one or more of a computer virus, a worm, a Trojan, a banned computer file, a banned

word and a banned image

25. (Currently amended) Apparatus for executing a computer program embodied on a tangible

computer readable medium, within a computer memory, said apparatus comprising:

(a) loader program logic; and

(b) a program store operable to store an encrypted version of said computer program;

wherein said loader program logic is operable to:

(i) read said encrypted version of said computer program stored in said program store;

(ii) decrypt said encrypted version of said computer program to form said computer

program in an executable form;

(iii) load said computer program directly into said computer memory; and

(iv) trigger execution of said computer program as loaded into s aid corn purer me m 037 by said loader program;

wherein said computer program that is decrypted, loaded, and executed includes a malware scanning computer program;

wherein said malware scanning computer program is operable such that once executed, said malware scanning computer program scans said loader program for malware;

wherein if said loader program is detected as belong infected with said malware, then said malware scanning computer program is operable to repair said loader program or replace said loader program with a clean copy of said loader program;

wherein said malware scanning computer program is operable to scan for said malware including one or more of a computer virus, a worm, a Trojan, a banned computer file, a banned word and a brained image.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
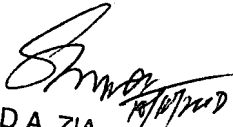
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Syed Zia whose telephone number is 571-272-3798. The examiner can normally be reached on 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

sz
October 10, 2007

SYED A. ZIA
PRIMARY EXAMINER